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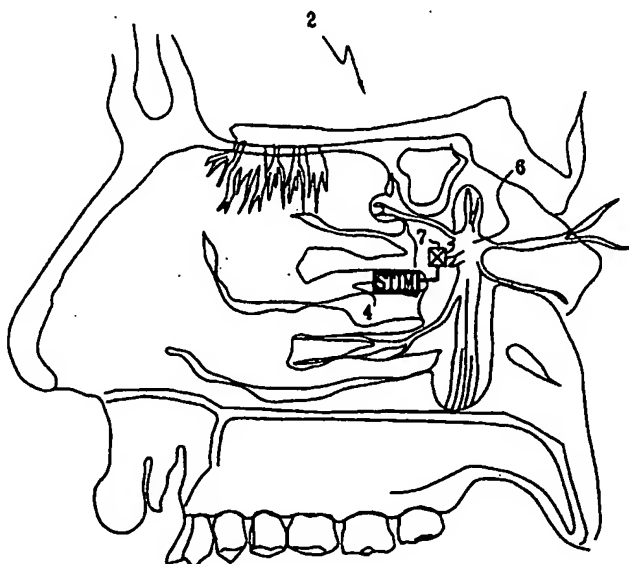
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(54) Title: **METHOD AND APPARATUS FOR STIMULATING THE SPHENOPALATINE GANGLION TO MODIFY PROPERTIES OF THE BBB AND CEREBRAL BLOOD FLOW**



(57) Abstract: Apparatus for modifying a property of a brain of a patient is provided, including one or more electrodes (7), adapted to be applied to a site selected from a group of sites consisting of: a sphenopalatine ganglion (SPG) (6) of the patient and a neural tract originating in or leading to the SPG. A control unit (8) is adapted to drive the one or more electrodes to apply a current to the site capable of inducing (a) an increase in permeability of a blood-brain barrier (BBB) of the patient, (b) a change in cerebral blood flow of the patient, and/or (c) an inhibition of parasympathetic activity of the SPG.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTERIPC(7) : A61B 10/00
US CL : 607/2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHEDMinimum documentation searched (classification system followed by classification symbols)
U.S. : 607/1, 2; 604/34; 424/434Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONEElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,886,493 A (YEE) 12 December 1989, see abstract.	1-64
A	US 5,855,907 A (PEYMAN) 05 January 1999, see abstract.	1-64
X	US 4,152,928 A (ROBERTS) 08 May 1979, see entire document.	65-72
X	US 4,319,580 A (COLLEY et al.) 16 March 1982, see entire document.	65-72

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

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A

document member of the same patent family

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